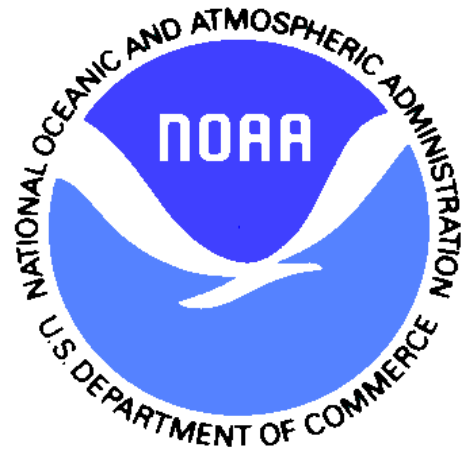


CAMS Project



NOAA/CAMS CFS Implementation
Extract Accounts Payable Documents
From the Copy of CFS Production
Program Module
(FINAL)

Version 2.1

Prepared by Accenture for

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
Implementation Center
201 Perry Parkway
Gaithersburg, MD 20877

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Reviewer

Name	Position	Date
M. Barron	Manager	01/11/2002
K. Kirwan	Manager	01/11/2002

Approver

Name	Position	Date
W. Holdsworth	Team Lead	01/11/2002

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1 Introduction

The Extract Accounts Payable Documents From the Copy of CFS Production Program Module provides detailed design information to extract open document information from the Copy of CFS Production for documents which have been reconciled in the Compare FIMA ACTDOC and CFS Production Program Module. CFS documents are reconciled if they successfully pass through the following functions in the Compare FIMA ACTDOC and CFS Production Program Module:

- ▶ Reconcile FIMA ACTDOC With CFS Transaction Screens
- ▶ Reconcile FIMA ACTDOC With CFS General Ledger

If both functions are passed, then documents will have a **CFS_Reconcile_Flag** equal to 'Y' on the **Convert ACTDOC (CONV_ACTDOC)** table and are selected for processing by this Program Module.

1.1 Naming Standards

The Extract Accounts Payable Documents From Copy of CFS Production Program Module adheres to the latest version of the CAMS Support Center (CSC) Programming Standards and Guidelines.

Throughout this document suggested names of objects are consistently formatted in order to make it easier to distinguish what type of object is being referred to in the design. The following table is a list of each object in this document and its corresponding format.

<u>Object</u>	<u>Description</u>
<i>SCREENS</i>	Named in all caps and italics
<i>Field Names</i>	Named in italics with the first letter of each word capitalized
TABLES	Named in all caps and bold
Column Names	Named in bold with the first letter of each word capitalized
<u>FILES</u>	Named in all caps and underlined
<u>variables</u>	Named in all lowercase and underlined

1.2 Process Flow for the Program Module

Figure 1 illustrates the process flow for the Extract Accounts Payable Documents From Copy of CFS Production Program Module.

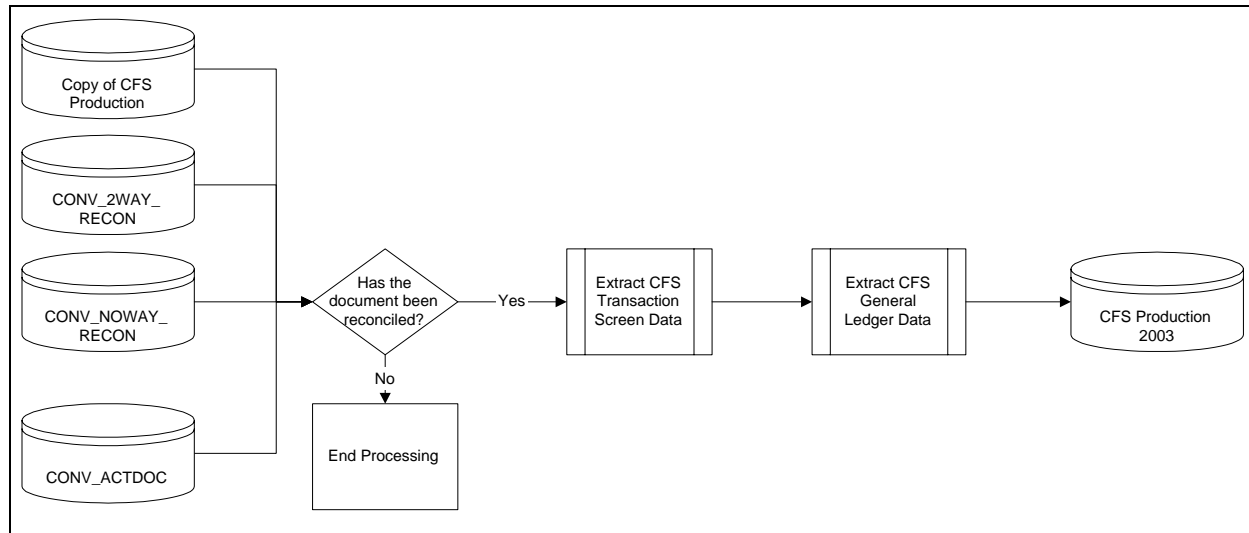


Figure 1. Extract Accounts Payable Documents from Copy of CFS Production Process Flow

Copy of CFS Production. A copy is created of CFS Production before the automated accounts payable open document conversion process begins. Information copied to CFS Production 2003 comes from this database.

CONV_2WAY_RECON. This table contains reconciliation transactional information for Two-Way Match documents. [Note: For the purposes of this document, all references to Two-Way Match documents also include 3-Way Match documents.]

CONV_NOWAY_RECON. This table contains reconciliation transactional information for No-Way Match documents.

CONV_ACTDOC. The Compare FIMA ACTDOC and CFS Production Program Module updates the **Reconciled Flag** on the **CONV_ACTDOC** table. This flag is used to determine which documents serve as an input to this Program Module.

Has the Document been reconciled?. The Program Module determines whether the document has been reconciled in the Compare FIMA ACTDOC and CFS Production Program Module. Only documents with a **Reconciled Flag** of "Y" are selected by the Program Module.

Extract CFS Transaction Screen Data. This function extracts the selected Transaction Screen data from the Copy of CFS Production. The appropriate logic is followed based on document matching criteria.

Extract CFS General Ledger Data. This function extracts the selected TRIAL data from the Copy of CFS Production. The appropriate logic is followed based on document matching criteria.

1.3 Business Rules

The following business rules pertain to this Program Module:

- ▶ Any tables specific to the Commerce Small Purchase System (CSPS) will not be considered in this process.
- ▶ The General Ledger End Date (**GL_End_Date**) for all General Ledger (**TRIAL**) records will be modified to '30-SEP-2002'.
- ▶ The Fiscal Year (**FISCAL_YEAR**) will be modified to '2002' for extracted TRIAL data. The Fund Code Fiscal Year (**Fund_Code_Fiscal_Year**) will remain unchanged.

1.4 Input to Module

The inputs for this Program Module are:

- ▶ The Copy of CFS Production.
- ▶ The Conversion Two-Way Match Reconciliation Table (**CONV_2WAY_RECON**).
- ▶ The Conversion No-Way Match Reconciliation Table (**CONV_NOWAY_RECON**).
- ▶ The **Convert ACTDOC** Table (**CONV_ACTDOC**).

1.5 Output from Program Module

The following is the output for all extracted documents:

- ▶ Set the **Conversion Date (CONV_DATE)** equal to the system date on the **Convert ACTDOC** table (**CONV_ACTDOC**).
- ▶ Set the **Conversion Status Flag (CONV_Status_Flag)** equal to 'Y' on the **Convert ACTDOC** Table (**CONV_ACTDOC**).

2 Extraction of CFS Two-Way Match Documents Path

2.1 Purpose of Extraction of CFS Two-Way Match Documents Path

The purpose of this Function is to extract the CFS Transaction Screen and General Ledger data for Two-Way Match documents reconciled during the Compare FIMA ACTDOC and CFS Production Program Module. The data is extracted from the Copy of CFS Production and copied to CFS Production 2003. The Function extracts all transactional data for reconciled documents from the Purchase Order, Receiving Ticket, Estimated Accrual, and Invoice tables. Additionally, all CFS General Ledger data is extracted.

Table 1 illustrates the CFS accounts payable screens that produce data considered for extraction by the Program Module. The Screen column lists the CFS screen name and its function. The Underlying Tables column lists the tables that contain data entered on the corresponding screen.

Reference the Clean CFS Production Program Module Table 1 for more information regarding which tables were cleaned at the beginning of the automated accounts payable open document conversion process.

Table 1. CFS Accounts Payable Screens	
Screen	Underlying Tables
Obligation (<i>FM040</i>) - This screen is used to record obligations also called purchase orders.	PO_CONTROL PO_ITEM PO_ACCOUNT PO_DESCR PO_APPROVAL PO_LINE_NOTE PO_DOC_PATH TRIAL
Receiving Ticket (<i>PM030</i>) - This screen is used to record the receipt of goods and services.	RT_CONTROL RT_ITEM RT_ACCOUNT TRIAL
Reverse Receiving Ticket (<i>PM034</i>) - This screen is used to void the receipt of goods and services.	RT_CONTROL RT_ITEM RT_ACCOUNT TRIAL
Estimated Accrual (<i>PM050</i>) - This screen is used to accrue expenditures.	EA_CONTROL EA_ITEM EA_ACCOUNT TRIAL
Reverse Estimated Accrual (<i>PM054</i>) - This screen is used to void the accruals.	EA_CONTROL EA_ITEM EA_ACCOUNT TRIAL
Invoice (<i>PM003</i>) - This screen is used to record the receipt of invoice.	AP_CONTROL AP_DETAIL TRIAL
Void Invoice (<i>PM044</i>) - This screen is used to void the invoice.	AP_VOID TRIAL

Table 1. CFS Accounts Payable Screens	
Screen	Underlying Tables
Advice of Correction (<i>PM006</i>) - This screen is used to correct accounting classification (ACCS) after accomplishments.	APC_CONTROL APC_ITEM APC_ACCOUNT APC_APPROVAL TRIAL
Invoice Release (<i>PM102</i>) - This screen is used to calculate interest penalties, discounts, and other accruals related to the invoice one step before the disbursement.	AP_CONTROL AP_DETAIL TRIAL
Disbursement (<i>PM206</i>) - This screen is used to disburse the invoice amount. This will create a file which will be sent to treasury for the payment to the vendors.	TRIAL
Void Payment (<i>PM206</i>) - This screen is used to void the payment which is already disbursed.	AP_CONTROL AP_DETAIL TRIAL
Manual Payment (<i>PM041</i>) - This screen is used to disburse the invoice amount manually.	TRIAL
Accomplishments (<i>PM005</i>) - This screen will accomplish the payment.	TRIAL

2.2 Process Flow for the Extract CFS Transaction Screen Data Two-Way Match Documents Path

A process flow for this path is not currently available.

2.3 Input to Extraction of Two-Way Match Documents Function Path

The inputs for this path are:

- ▶ The Copy of CFS Production.
- ▶ The CFS Conversion Two-Way Match Reconciliation Table (**CONV_2WAY_RECON**).
- ▶ The **Convert ACTDOC** Table (**CONV_ACTDOC**).

2.4 Extract CFS Transaction Screen Data

2.4.1 *Extraction of Purchase Order Transaction Screen Data*

This function extracts Purchase Order Transaction Screen data from the Copy of CFS Production.

2.4.1.1 *Input*

Data is extracted from the following tables in the Copy of CFS Production:

- ▶ **PO_CONTROL**
- ▶ **PO_ITEM**
- ▶ **PO_ACCOUNT**
- ▶ **PO_DESCR**
- ▶ **PO_APPROVAL**
- ▶ **PO_LINE_NOTE**
- ▶ **PO_DOC_PATH**

2.4.1.2 *Logic*

The following process extracts Purchase Order Transaction Screen data:

- ▶ Select the **CFS Document Number** from the **CONV_2WAY_RECON** Table.

- ▶ Query **PO_CONTROL** where the **CFS Document_No** equals the current CFS document being processed.
- ▶ Select the Transaction Numbers (**Trans_No**) from each **PO_CONTROL** record.
- ▶ Query **PO_ITEM**, **PO_ACCOUNT**, **PO_DESCR**, **PO_APPROVAL**, **PO_LINE_NOTE**, and **PO_DOC_PATH** where the **Trans_No** equals any of the values from the previous step.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to 30-SEP-2002.
- ▶ Update the **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.4.1.3 Error Handling

If no data is found on the **PO_CONTROL**, **PO_ITEM**, or **PO_ACCOUNT** tables, update the Reconciled Flag (**Cfs_Reconciled_Flag**) on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.4.2 Extraction of Receiving Ticket Transaction Screen Data

This function extracts Receiving Ticket Transaction Screen data from the Copy of CFS Production.

2.4.2.1 Input

Data is extracted from the following tables in the Copy of CFS Production:

- ▶ **RT_CONTROL**
- ▶ **RT_ITEM**
- ▶ **RT_ACCOUNT**

2.4.2.2 Logic

The following process extracts Receiving Ticket Transaction Screen data:

- ▶ Select the **CFS Document Number** from the **CONV_2WAY_RECON** Table.
- ▶ Query **RT_CONTROL** where the **PO_No** equals the current CFS document being processed.

- ▶ Select the Transaction Numbers (**Trans_No**) from each **RT_CONTROL** record.
- ▶ Query **RT_ITEM** and **RT_ACCOUNT** where the **Trans_No** equals any of the values from the previous step.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to 30-SEP-2002.
- ▶ Update the **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.4.2.3 Error Handling

If no data is found on **RT_CONTROL**, continue to the next Sub-Function.

If data is found on **RT_CONTROL**, but no data is found on **RT_ITEM** and **RT_ACCOUNT**, update the **Reconciled Flag (Cfs_Reconciled_Flag)** on the **Convert ACTDOC Table (CONV_ACTDOC)** to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.4.3 Extraction of Estimated Accrual Transaction Screen Data

This function extracts Estimated Accrual Transaction Screen data from the Copy of CFS Production.

2.4.3.1 Input

Data is extracted from the following tables in the Copy of CFS Production:

- ▶ **EA_CONTROL**
- ▶ **EA_ITEM**
- ▶ **EA_ACCOUNT**

2.4.3.2 Logic

The following process extracts Estimated Accrual Transaction Screen data:

- ▶ Select the **CFS Document Number** from the **CONV_2WAY_RECON** Table.
- ▶ Query **EA_CONTROL** where **PO_No** equals the current CFS document being processed.
- ▶ Select the **EA Control Id (Ea_Control_Id)** from each **EA_CONTROL** record.

- ▶ Query **EA_ITEM** and **EA_ACCOUNT** where the **Ea_Control_Id** equals any of the values from the previous step.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to 30-SEP-2002.
- ▶ Update the **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.4.3.3 Error Handling

If no data is found on **EA_CONTROL**, continue to the next Sub-Function.

If data is found on **EA_CONTROL**, but no data is found on **EA_ITEM** and **EA_ACCOUNT**, update the **Reconciled Flag (Cfs_Reconciled_Flag)** on the **Convert ACTDOC Table (CONV_ACTDOC)** to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.4.4 Extraction of Invoice Transaction Screen Data

This function extracts Invoice Transaction Screen data from the Copy of CFS Production.

2.4.4.1 Input

Data is extracted from the following tables in the Copy of CFS Production:

- ▶ **AP_CONTROL**
- ▶ **AP_DETAIL**
- ▶ **AP_VOID**
- ▶ **APC_CONTROL**
- ▶ **APC_ITEM**
- ▶ **APC_ACCOUNT**
- ▶ **APC_APPROVAL**

2.4.4.2 Logic

The following process extracts Invoice Transaction Screen data:

- ▶ Select the **CFS Document Number** from the **CONV_2WAY_RECON** Table.

- ▶ Query **AP_CONTROL** where **PO_No** equals the current CFS document being processed.
- ▶ Select the Transaction Numbers (**Trans_No**) from each **AP_CONTROL** record.
- ▶ Query **AP_DETAIL** where the **Trans_No** equals any of the values from the previous step.
- ▶ If the Invoice Status (**Invoice_Status**) on any **AP_CONTROL** record is 'VOID', query **AP_VOID** where the **Trans_No** equals the **Trans_No** of the **AP_CONTROL** record with an **Invoice_Status** of 'VOID'.
- ▶ If the **APC Flag** (**APC_Flag**) on any **AP_DETAIL** record is 'Y', query **APC_CONTROL** where **Trans_No** equals the **Trans_No** of the **AP_DETAIL** record with an **APC_Flag** of 'Y'.
- ▶ Query **APC_ITEM**, **APC_ACCOUNT**, and **APC_APPROVAL** where the **Trans_No** equals any of the values from the previous step.
- ▶ Update the **General Ledger End Date** (**GL_End_Date**) to 30-SEP-2002.
- ▶ Update the **Device Name** (**Device_Name**) to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.4.4.3 Error Handling

If no data is found on **AP_CONTROL**, continue to Section 2.5.

If data is found on **AP_CONTROL** but no data is found on **AP_DETAIL**, update the **Reconciled Flag** (**Cfs_Reconciled_Flag**) on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

If data is found on **APC_CONTROL** but no data is found on **APC_ITEM**, **APC_ACCOUNT**, and **APC_APPROVAL**, update the **Reconciled Flag** (**Cfs_Reconciled_Flag**) on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.5 Process Flow for Extract CFS General Ledger Data for Two-Way Match Documents Path

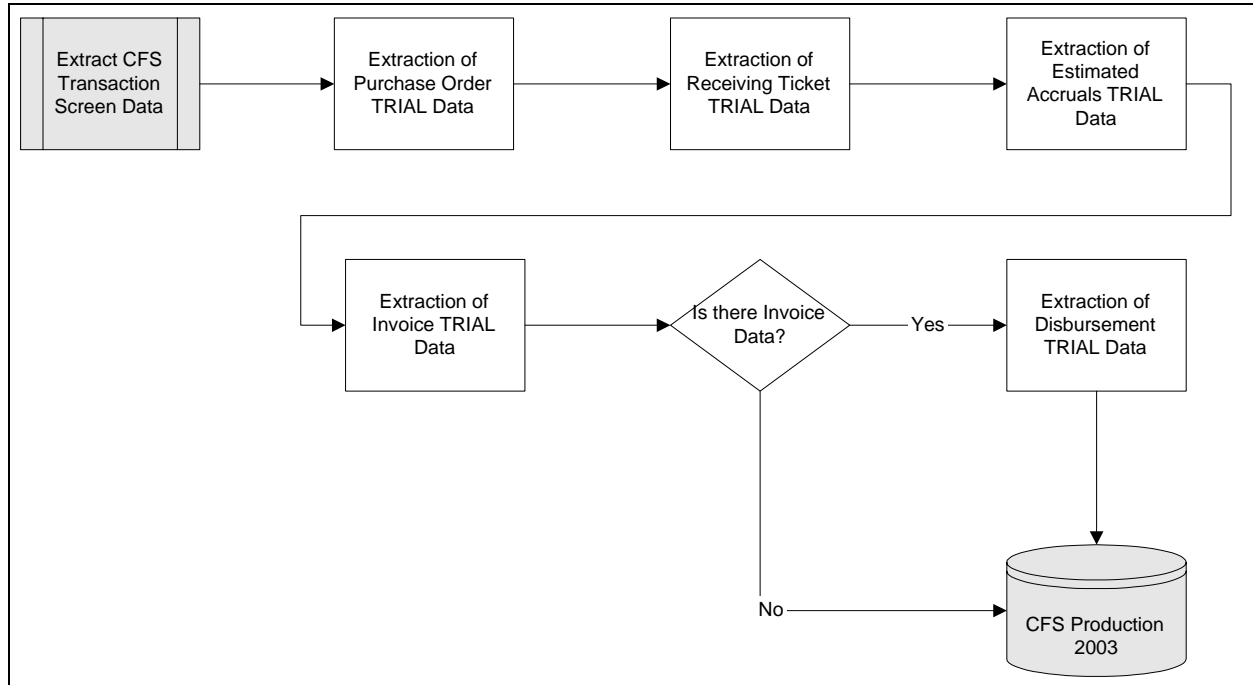


Figure 3. Extraction of TRIAL CFS General Ledger Process Flow

Extract Transaction Data. The Extract Transaction Screen Data Function must have completed prior to executing the Extract CFS General Ledger Data Function.

Extraction of Purchase Order TRIAL Data. Data is extracted from **TRIAL** table for Purchase Order transactions for the selected document.

Extraction of Receiving Ticket TRIAL Data. Data is extracted from **TRIAL** for Receiving Ticket transactions for the selected document.

Extraction of Estimated Accruals TRIAL Data. Data is extracted from **TRIAL** for Estimated Accrual transactions for the selected document.

Extraction of Invoice TRIAL Data. Data is extracted from **TRIAL** table for Invoice transactions for the selected document.

Is there Invoice Data?. The Program Module determines whether Invoice data is found in the previous function. If invoice data is found, the Program Module

executes the *Extraction of Disbursement TRIAL Data* function. If invoice data is not found, the Program Module inserts all extracted data to CFS Production 2003 and selects the next document.

Extraction of Disbursement TRIAL Data. Data is extracted from **TRIAL** table for disbursement transactions for the selected document.

CFS Production 2003. All of the extracted data will be copied to CFS Production 2003.

2.6 Extract CFS General Ledger Data

The **CONV_2WAY_RECON** Table contains the Transaction Number (**Trans_No**) and Transaction Source (**Trans_Source**) for all the CFS General Ledger activity on a selected document except for accomplishment data. The **Trans_No** and **Trans_Source** are necessary to extract the required **TRIAL** table data.

2.6.1 *Extraction of Purchase Order Trial Data*

When a Purchase Order is approved in CFS, General Ledger entries may be created in the **TRIAL** table. These entries are labelled with a Transaction Source (**Trans_Source**) of "OBLIG", and a Transaction Number (**Trans_No**) corresponding to the approved Purchase Order. This process is used to extract Purchase Order TRIAL data from the Copy of CFS Production.

2.6.1.1 *Logic*

A Purchase Order (**PO_CONTROL**) contains a system-generated **Trans_No**. This number along with the **Trans_Source** of 'OBLIG' (i.e. for an obligation) are also stored on the **TRIAL** table.

The following process extracts Purchase Order TRIAL data:

- ▶ Select **Trans_No** and **Trans_Source** from **CONV_2WAY_RECON** where the **Trans_Source** equals 'OBLIG'.
- ▶ Query the **TRIAL** table where the **Trans_No** and **Trans_Source** equal the values for the current CFS document being processed.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to '30-SEP-2002'.
- ▶ Update the **Fiscal Year (Fiscal_Year)** to '2002'.
- ▶ Update the **Fiscal Quarter (Fiscal_Quarter)** to '4'.

- ▶ Update the **Fiscal Year End Date (FY_End_Date)** to '30-SEP-2002'.
- ▶ Update **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.6.1.2 Error Handling

If no data is found on the **TRIAL** table, update the **Reconciled Flag (Cfs_Reconciled_Flag)** on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.6.2 Extraction of Receiving Ticket TRIAL Data

When a Receiving Ticket is approved in CFS, General Ledger entries are created in the **TRIAL** table. These entries are labelled with a Transaction Source (**Trans_Source**) of 'RT' or 'VOIDRT', and a Transaction Number (**Trans_No**) corresponding with the approved Receiving Ticket. This function extracts Receiving Ticket TRIAL data from the Copy of CFS Production.

2.6.2.1 Logic

A Receiving Ticket (**RT_CONTROL**) contains a system generated **Trans_No**. This number along with the **Trans_Source** of 'RT' or 'VOIDRT' are also stored on the **TRIAL** table.

The following process extracts Receiving Ticket TRIAL data:

- ▶ Select **Trans_No** and **Trans_Source** from **CONV_2WAY_RECON** where the **Trans_Source** equals 'RT' or 'VOIDRT'.
- ▶ Query the **TRIAL** table where the **Trans_No** and **Trans_Source** equal the values for the current CFS document being processed.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to '30-SEP-2002'.
- ▶ Update the **Fiscal Year (Fiscal_Year)** to '2002'.
- ▶ Update the **Fiscal Quarter (Fiscal_Quarter)** to '4'.
- ▶ Update the **Fiscal Year End Date (FY_End_Date)** to '30-SEP-2002'.
- ▶ Update **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.6.2.2 Error Handling

If no data is found on the **TRIAL** table, continue to the next Sub-Function.

2.6.3 Extraction of Estimated Accruals TRIAL Data

When an Estimated Accrual is approved in CFS, General Ledger entries may be created in the **TRIAL** table. These entries are labelled with a Transaction Source (**Trans_Source**) of 'EA' or 'VOIDEA', and a Transaction Number (**Trans_No**) corresponding with the approved Receiving Ticket. This process is used to extract Estimated Accrual TRIAL data from the Copy of CFS Production.

2.6.3.1 Logic

An Estimated Accrual (**EA_CONTROL**) contains a system generated **Trans_No**. This number along with the **Trans_Source** of 'EA' or 'VOIDEA' are also stored on the **TRIAL** table.

The following process extracts Estimated Accrual TRIAL data:

- ▶ Select **Trans_No** and **Trans_Source** from **CONV_2WAY_RECON** where the **Trans_Source** equals 'EA' or 'VOIDEA'.
- ▶ Query the **TRIAL** table where the **Trans_No** and **Trans_Source** equal the values for the current CFS document being processed.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to '30-SEP-2002'.
- ▶ Update the **Fiscal Year (Fiscal_Year)** to '2002'.
- ▶ Update the **Fiscal Quarter (Fiscal_Quarter)** to '4'.
- ▶ Update the **Fiscal Year End Date (FY_End_Date)** to '30-SEP-2002'.
- ▶ Update **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.6.3.2 Error Handling

If no data is found on the **TRIAL** table, continue to the next Sub-Function.

2.6.4 Extraction of Invoice TRIAL Data

When an Invoice is approved in CFS, General Ledger entries may be created in the **TRIAL** table. These entries are labelled with a Transaction Source (**Trans_Source**) of 'AP', 'APVOID', 'APC', or 'ACCR'; and a Transaction Number (**Trans_No**) corresponding with the approved Invoice. This function extracts Invoice TRIAL data from the Copy of CFS Production.

2.6.4.1 Logic

The Invoice tables (**AP_CONTROL**, **AP_VOID**, or **APC_CONTROL**) contain a system generated **Trans_No**. This number along with the **Trans_Source** of 'AP', 'APVOID', 'APC', or 'ACCR' are also stored on the **TRIAL** table.

The following process extracts Estimated Accrual **TRIAL** data:

- ▶ Select **Trans_No** and **Trans_Source** from **CONV_2WAY_RECON** where the **Trans_Source** equals 'AP', 'APVOID', 'APC', or 'ACCR'.
- ▶ Query the **TRIAL** table where the **Trans_No** and **Trans_Source** equal the values for the current CFS document being processed.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to '30-SEP-2002'.
- ▶ Update the **Fiscal Year (Fiscal_Year)** to '2002'.
- ▶ Update the **Fiscal Quarter (Fiscal_Quarter)** to '4'.
- ▶ Update the **Fiscal Year End Date (FY_End_Date)** to '30-SEP-2002'.
- ▶ Update **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.6.4.2 Error Handling

If no data is found on the **TRIAL** table, the extraction process is complete. Without invoice data, the Program Module does not need to execute the Extraction of Disbursement **TRIAL** Data Function.

2.6.5 Extraction of Disbursement **TRIAL** Data

When a Disbursement transaction is executed in CFS, General Ledger entries are created in the **TRIAL** table. These entries are labelled with a Transaction Source (**Trans_Source**) of 'DISB', 'MANUAL', 'VP', or 'ACCOMP', and a Transaction Number (**Trans_No**) corresponding with the approved Invoice. This function extracts disbursement **TRIAL** data from the Copy of CFS Production.

For disbursement and void payment transactions, the **Trans_No** and **Trans_Source** data stored in **CONV_2WAY_RECON** are for the entire disbursement batch. Additional logic is included to identify the disbursement **TRIAL** entries for the Invoices of the selected document.

2.6.5.1 Logic

A Disbursement transaction produces a system-generated **Trans_No**. This number along with the **Trans_Source** of 'DISB', 'MANUAL', 'VP', or 'ACCOMP' are also stored on the **TRIAL** table.

In addition, the Invoice Table (**AP_CONTROL**) contains the **Trans_No** and Invoice Type (**Invoice_Type**) of the Invoice. These values are stored in the **Org_Document_No** and **Org_Document_Type** fields on the **TRIAL** table. This data must be included with the **Trans_No** and **Trans_Source** to obtain the disbursement **TRIAL** entries.

The following process extracts disbursement **TRIAL** data:

- ▶ Select the **Trans_No** from the **CONV_2WAY_RECON** table where **Trans_Source** equals 'DISB', 'MANUAL', 'VP', or 'ACCOMP'.
- ▶ Select the **Trans_No(s)** identified in the previous Extraction of Invoice **TRIAL** Data Function. Store the **Trans_No** as **Org_Document_No**.
- ▶ Select the **Invoice_Type** from **AP_CONTROL** where the **Trans_No** equals the values returned in the previous step. Store the **Invoice_Type** as the **Org_Document_Type**.
- ▶ Query the **TRIAL** table where the **Trans_No**, **Trans_Source**, **Org_Document_No**, and **Org_Document_Type** equal the values identified above.
- ▶ Update the **General Ledger End Date (GL_End_Date)** to '30-SEP-2002'.
- ▶ Update the **Fiscal Year (Fiscal_Year)** to '2002'.
- ▶ Update the **Fiscal Quarter (Fiscal_Quarter)** to '4'.
- ▶ Update the **Fiscal Year End Date (FY_End_Date)** to '30-SEP-2002'.
- ▶ Update **Device Name (Device_Name)** to 'CONVERSION'.
- ▶ Insert the selected data into CFS Production 2003.

2.6.5.2 Error Handling

If no data is found on the **TRIAL** table, update the Reconciled Flag (**Cfs_Reconciled_Flag**) on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

2.6.6 Update **CONV_ACTDOC** with Status of Successful Extraction

If both the Transaction and General Ledger data for the Two-Way Match document is successfully extracted by the module, it updates the **Conv_Status_Flag** column with a value of 'Y' and the **Conv_Date** column with the System Date on **CONV_ACTDOC**.

3 Extraction of CFS No-Match Documents Path

3.1 Purpose of Extraction of CFS No-Match Documents Path

The purpose of this function is to extract the CFS Transaction Screen data and General Ledger data for No-Match documents reconciled during the Compare FIMA ACTDOC and CFS Production Module. The data is extracted from the Copy of CFS Production and copied to CFS Production 2003. The Function extracts all transactional data for reconciled documents from the Estimated Accrual and Invoice tables. Additionally, all CFS General Ledger data is extracted.

Table 2 illustrates the CFS accounts payable screens that produce data considered for extraction by the Program Module. The Screen column lists the CFS screen name and its function. The Underlying Tables column lists the tables that contain data entered on the corresponding screen.

Reference the Clean CFS Production Program Module Table 1 for more information regarding which tables were cleaned at the beginning of the automated accounts payable open document conversion process.

Table 2. Accounts Payable Screens	
Screen	Underlying Tables
Estimated Accrual (<i>PM050</i>) - This screen is used to accrue expenditures.	EA_CONTROL EA_ITEM EA_ACCOUNT TRIAL
Reverse Estimated Accrual (<i>PM054</i>) - This screen is used to void the accruals.	EA_CONTROL EA_ITEM EA_ACCOUNT TRIAL

Table 2. Accounts Payable Screens	
Screen	Underlying Tables
Invoice (<i>PM003</i>) - This screen is used to record the receipt of invoice.	AP_CONTROL AP_DETAIL TRIAL
Void Invoice (<i>PM044</i>) - This screen is used to void the invoice.	AP_VOID TRIAL
Advice of Correction (<i>PM006</i>) - This screen is used to correct accounting classification (ACCS) after accomplishments.	APC_CONTROL APC_ITEM APC_ACCOUNT APC_APPROVAL TRIAL
Invoice Release (<i>PM102</i>) - This screen is used to calculate interest penalties, discounts, and other accruals related to the invoice one step before the disbursement.	AP_CONTROL AP_DETAIL TRIAL
Disbursement (<i>PM206</i>) - This screen is used to disburse the invoice amount. This will create a file which will be sent to treasury for the payment to the vendors.	TRIAL
Void Payment (<i>PM206</i>) - This screen is used to void the payment which is already disbursed.	AP_CONTROL AP_DETAIL TRIAL
Manual Payment (<i>PM041</i>) - This screen is used to disburse the invoice amount manually.	TRIAL

Table 2. Accounts Payable Screens	
Screen	Underlying Tables
Accomplishments (<i>PM005</i>) - This screen will accomplish the payment.	TRIAL

3.2 Process Flow for the Extraction of CFS No-Match Documents Path

A process flow for this path is not currently available.

3.3 Input to Extract Transaction Screen and TRIAL Data for No-Match documents Function

The inputs to this path are:

- ▶ The Copy of CFS Production.
- ▶ The CFS Conversion No-Way Match Reconciliation Table (**CONV_NOWAY_RECON**).
- ▶ The **Convert ACTDOC** Table (**CONV_ACTDOC**).

3.4 Extract CFS Transaction Screen Data

See Section 2.4 for more information on reconciling FIMA ACTDOC with CFS Transaction Screens. The Extract CFS Transaction Screen Data Function for No-Match documents works similar to the Extract CFS Transaction Screen Data Function for Two-Way Match documents. The major differences between the two paths include: 1) there is no Purchase Order extraction for No-Match documents, and 2) the Transaction Number in **CONV_NOWAY_RECON** is the key for No-Match extraction, as opposed to the Obligation Document Number in the Two-Way Match processing.

3.5 *Extraction of CFS General Ledger Data*

Extraction of CFS General Ledger Data for No-Match documents follows similar logic as the Extraction of CFS General Ledger Data for Two-Way Match

documents. Please reference Section 2.5 of this document and incorporate the following modifications for a No-Match document:

- ▶ The input to all Functions is the **CONV_NOWAY_RECON** table. (This table replaces the **CONV_2WAY_RECON** referenced in section 2.5.)
- ▶ The Extraction of Purchase Order TRIAL Data and Extraction of Receiving Ticket TRIAL Data Functions are not executed.

3.5.1 Extraction of Estimated Accrual TRIAL Data

Please reference section 2.6.3 of this document for information on extracting Estimated Accrual TRIAL data for No-Match documents.

If no data is found during this Function, the Program Module requires data for the Extraction of Invoice TRIAL Data Function. In the case where no data is found in either Function, update the **Reconciled Flag (Cfs_Reconciled_Flag)** on the **Convert ACTDOC** Table (**CONV_ACTDOC**) to 'N'. Abort extracting data, remove previously extracted data for the current document, update the **Error_Flag** on **Convert ACTDOC** to 'Y', and record an error in the **CONVERT ERRORS** table. Continue processing the next record.

3.5.2 Extraction of Invoice TRIAL Data

Please reference section 2.6.4 of this document for information on extracting invoice TRIAL data for No-Match documents.

3.5.3 Extraction of Disbursement TRIAL Data

Please reference section 2.6.5 of this document for information on extracting Disbursement TRIAL data for No-Match documents.